

Product Datasheet

SHPS1 Antibody

Catalog No: CY1259

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB IHC



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Information

UniProt ID: P78324

All Names: Tyrosine-protein phosphatase non-receptor type substrate 1; SIRPA; SHP substrate 1; SHPS-1; CD172a; BIT, MFR, MYD1, PTPNS1, SHPS1, SIRP; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; SIRP alpha 1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human SHPS1

Molecular Wt.: 55 kDa

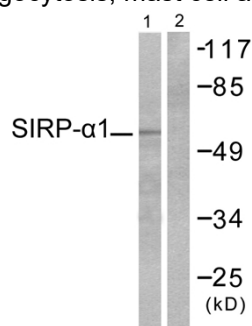
Application

WB 1:500~1:3000

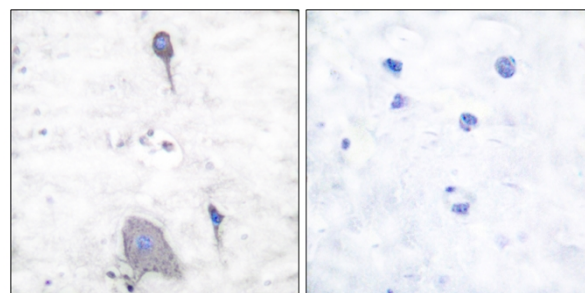
IHC 1:50~1:200

Background

SHPS1 Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function. Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation.



Western blot analysis of extracts from HepG2 cells, using SHPS1 antibody.



Immunohistochemical analysis of paraffin-embedded human brain tissue, using SHPS1 antibody.

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